PRODUCT PROGRAM 2022

KAHLES

SINCE 1898

We at KAHLES share the passion and professionalism of ambitious shooters and hunters.
We passionately support their aspiration to continually enhance performance.
We do this with intuitive simple and smart products, which impress with uncompromised focus on the real essentials, based on profound user insight and a wealth of know-how.

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K525i DLR
COMPETING ON TOP LEVEL

The K525i combines maximum optical performance and precision with unique handling and ergonomics. The **DLR** variant is optimized for the fast action nature of **D**ynamic **L**ong **R**ange competitions. It features extended field of view, easy to read clicks, extra long throw lever and parallax spinner.

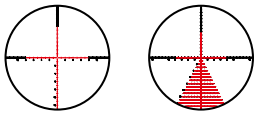
5-25x56i

PRODUCT HIGHLIGHTS

- Maximum optical performance with extra wide field of view
- 100 clicks per rotation – absolutely reliable repeat accuracy and clearly defined clicks
- Extra large turret lettering for easy and fast reading
- Optional left or right TWIST GUARD windage
- Special equipment: extra long throw lever & parallax spinner for quick adjustments
- Precise illuminated reticles in 1st focal plan (SKMR, SKMR4)

FEATURES

RETICLES



NEW SKMR SKMR4

K525i
PROFESSIONAL CHOICE FOR HIGHEST DEMANDS

The K525i combines maximum optical performance and precision with unique handling and ergonomics. A rugged riflescope for professionals, with windage optional left or right, precise illuminated reticles in 1st focal plane and the unique TWIST GUARD windage.

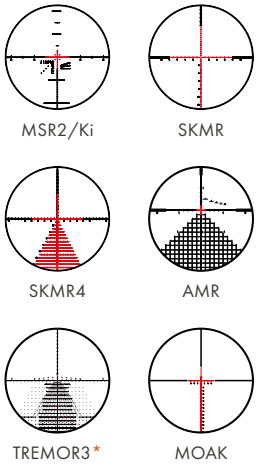
5-25x56i

PRODUCT HIGHLIGHTS

- Maximum optical performance – field of view, high contrast image, high definition
- Absolutely reliable repeat accuracy and precise, clearly defined click mechanism
- Optional left or right side windage
- Parallax wheel integrated into the elevation turret (patented) 20 m – ∞ (22 yds – ∞)
- Innovative TWIST GUARD windage (patented)
- Precise illuminated reticle in 1st focal plane

FEATURES

RETICLES



* Special order

Parallax wheel integrated into the elevation turret (patented), windage optionally left or right.

Superior handling and ergonomics thanks to the unique arrangement of operating elements

Due to the unique arrangement, all operating elements can easily and comfortably be operated with the intuitively preferred hand. Without having to reach over the riflescope or having to move out of the shooting position, all relevant information is always in the visual field.

All riflescopes of the K-series have the parallax wheel integrated into the elevation turret. The patented central arrangement on top of the riflescope makes right and left-handed operation equally comfortable.

Ergonomically the windage is perfectly placed on the left side for right-handed shooters and on the right side for left-handed shooters.

Unique TWIST GUARD windage (patented)

TWIST GUARD windage.

The innovative TWIST GUARD windage with it's freely rotating end cover, reliably preventing accidental movement of the windage.
This simple solution not only protects the windage from accidental movement, it also allows the shooter fast and unhindered handling of the windage without the need for cumbersome "locking" and "unlocking".

MOAK turret with three planes of rotation and indicator pin.

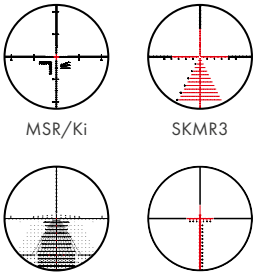
Maximum precision with the special MOAK reticle and 1/4 MOA click adjustment

The ¼ MOA click adjustment and a perfectly designed reticle in the 1st focal plane guarantee maximum precision over long distances.
The specially designed MOAK turret has a 3rd rotational plane and allows simple, precise operation over the entire adjustment range.

3.5-18x50i

FEATURES

RETICLES



K318i
ULTRASHORT PRECISION TOOL

The K318i means optical and mechanical perfection packed into an ultrashort design. With precise illuminated reticles in 1st focal plane, sharply defined throughout the entire magnification range and the unique TWIST GUARD windage.

PRODUCT HIGHLIGHTS

- Ultrashort and lightweight riflescope with wide field of view and high contrast image
- Absolutely reliable repeat accuracy and precise, clearly defined click mechanism
- Optional left or right side windage
- Innovative TWIST GUARD windage (patented)
- Parallax wheel integrated into the elevation turret (patented) 25 m – ∞ (27 yds – ∞)
- Precise illuminated reticles in 1st focal plane

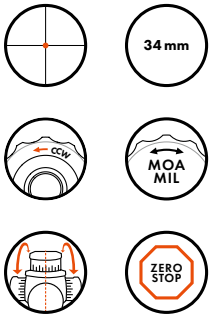
* Special order

6-24x56i

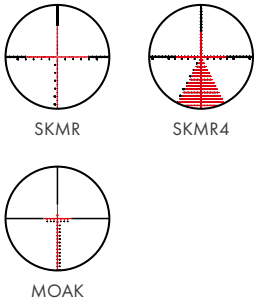
K624i
PROFESSIONAL CHOICE FOR LONG DISTANCES

The K624i sets standards in handling and ergonomics thanks to the unique arrangement of its operating elements. It offers outstanding optical performance, mechanical perfection and a unique range of well proven reticles for professionals.

FEATURES



RETICLES

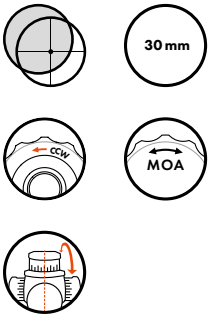


PRODUCT HIGHLIGHTS

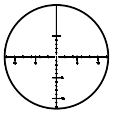
- Wide field of view, exceptionally comfortable eyebox and high contrast image
- Precise, clearly defined click mechanism and reliable repeat accuracy
- Optional left or right side windage
- Parallax wheel integrated into the elevation turret (patented) 50 m – ∞ (55 yds – ∞)
- Precise illuminated reticles in 1st focal plane

10-50x56

FEATURES



RETICLES



MOAK

K1050 COMPETITION SHOOTING WITH EXTREME MAGNIFICATION

The K1050 has been specifically designed to provide optimum precision for competition shooting. Weighing just 31 oz. and only 17 in. long, with its unique parallax adjustment, starting from just 9 yards, it provides unparalleled precision.

PRODUCT HIGHLIGHTS

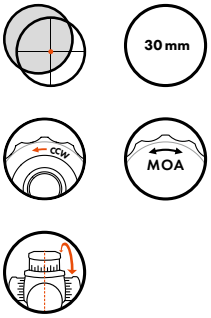
- Maximum precision for competition shooting
- Perfect image quality, even at 50 x magnification
- Parallax wheel integrated into the elevation turret (patented) 8 m – ∞ (9 yds – ∞)
- Non-illuminated reticle with fine structure for maximum precision

10-50x56i

K1050i FT
FIELD TARGET FOR PERFECTIONISTS

The K1050i FT offers a uniquely precise experience. With the special parallax focus ranging from 9 to 66 yards and an illuminated reticle in the 2nd focal plane, it has been optimally designed for field target competitions.

FEATURES



RETICLES

MHR

PRODUCT HIGHLIGHTS

- Developed together with professionals for highest precision in field target competitions
- Perfect image quality, even at 50 x magnification
- Parallax wheel integrated into the elevation turret (patented) 8 – 60 m (9 – 66 yds)
- Illuminated reticle with fine structure for maximum precision
- Special order

K18i
THE MATCH WINNER

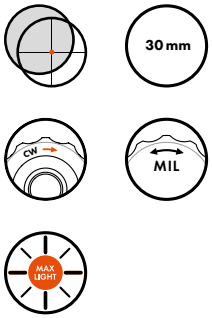
Optimized for 3-Gun and IPSC matches, the K18i with 8 x zoom features an ultra-wide field of view, specially designed, extra-bright illuminated reticles with unique MAX LIGHT function and an individually adjustable throw lever.

1-8x24i

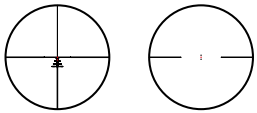
PRODUCT HIGHLIGHTS

- Optimized for 3-Gun and IPSC matches
- Ultra-wide field of view, 8 x zoom and true 1 x magnification
- Integrated throw levers in 2 alternative sizes with infinitely adjustable positions
- Extra-bright day/night illumination in 2nd focal plane with MAX LIGHT function for extreme backlight situations
- Special reticles for 3-Gun and IPSC, designed with the support of recognized pro-shooters

FEATURES



RETICLES



3GR IPSC**

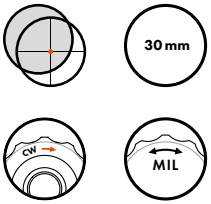
** Special order

1-6x24i

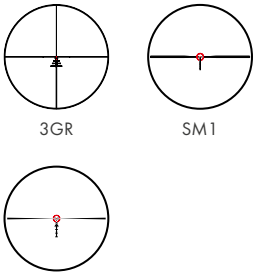
K16i
FAST TARGET ACQUISITION IN TOUGHEST ENVIRONMENTS

The K16i is ideal for acquiring targets within a very short time thanks to its ultra-wide field of view. Shooters benefit from the extra-high nose and the large, easy to use adjustment ring.

FEATURES



RETICLES



PRODUCT HIGHLIGHTS

- Sporty riflescope with ultra-wide field of view for fast target acquisition
- Developed for even the toughest demands
- Extra bright illuminated reticles in the second focal plane
- 3GR reticle for 3-Gun and IPSC

HELIA RF-M
FAST DISTANCE MEASURING

The compact HELIA RF-M 7x25 offers ergonomical design, intuitive and simple handling and is equipped with a large field of view and relevant hunting features. You are able to measure the distance simple and fast and you can concentrate, during the hunt, on the real essentials.

PRODUCT HIGHLIGHTS

- Easy and reliable targeting up to 2,000 yds
- Ergonomical design, intuitive handling, simple menu navigation
- Exceptional edge to edge clarity and large field of view of 351 ft / 1,000 yds
- Premium-quality OLED display with five manual brightness settings and display in yards or meters
- EAC-function (Enhanced Angle Compensation) for angle correction (patented)
- Scan mode, temperature- and air pressure measurement
- Extra long battery lifetime ~ 4,000 measurements

7x25

RANGEFINDER

ACCESSORIES

Sunshield

Flip-Up Cover
For eyepiece and objective lens

Throw Lever

Bubble Level

Parallax Spinner K525i*

Parallax Spinner K318i*

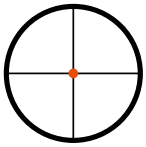
Parallax Spinner blank

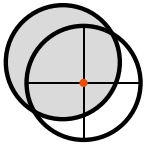
Parallax wheel attachment

	Sunshield	Flip-Up Cover	Throw Lever	Bubble Level	Parallax Spinner K525i*	Parallax Spinner K318i*	Parallax Spinner blank	Parallax wheel attachment
K525i/K525i DLR	◆	◆	◆	◆	◆		◆	
K318i	◆	◆	◆	◆		◆	◆	
K624i	◆	◆		◆			◆	
K1050	◆	◆					◆ (MOAK)	
K1050i FT	◆	◆						◆
K18i		◆						
K16i		◆						

* with engraved lettering

LEGEND
FEATURES


1st focal plane


2nd focal plane

Windage left

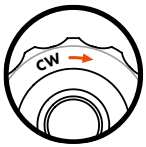
Windage right

Main tube 30 mm

Main tube 34 mm

Windage
left or right

TWIST GUARD
windage



Adjustment direction
CW

Adjustment direction
CCW

Zero Stop

Easy Read

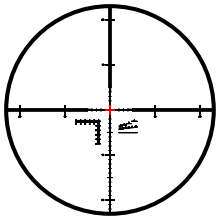
MOA

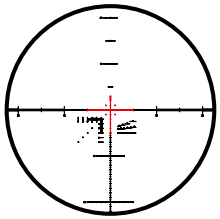
MIL

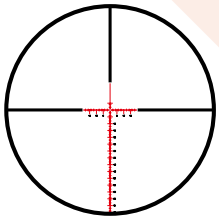
MAX LIGHT

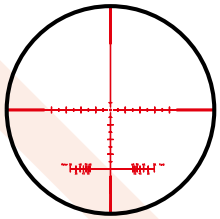
MOA or MIL

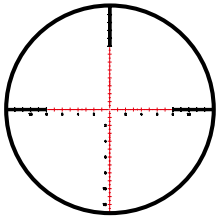
RETICLES
COMPETITION

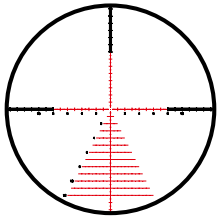

MSR/Ki

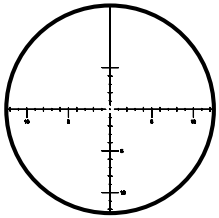

MSR2/Ki

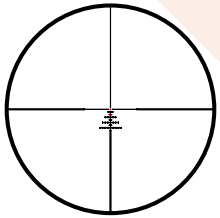

MOAK

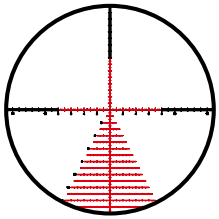

MHR

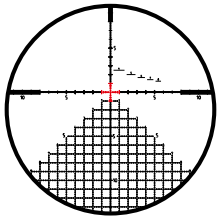

SKMR

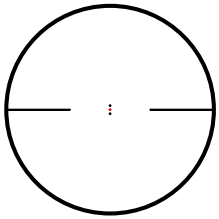

SKMR3

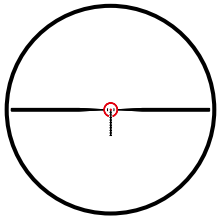

MOAK
(NON ILLUMINATED)

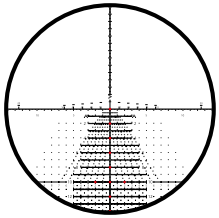

3GR

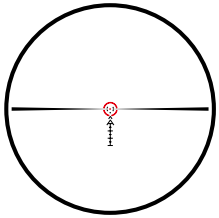

SKMR4


AMR


IPSC*


SM1


TREMOR3*


SI1

*Special order

TABLE
RANGEFINDER

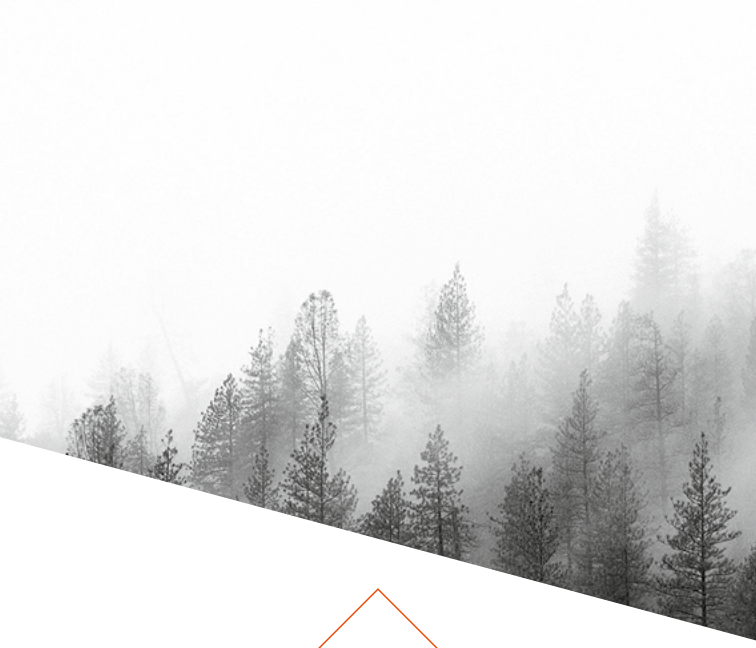
	HELIA RF-M 7x25
Magnification	7
Objective lens diameter (mm)	25
Eye relief (in)	0.59
Field of view (ft/1,000 yds)	351
Field of view (°)	6.7
Field of view apparent (°)	46.9
Exit pupil diameter (mm)	3.6
Diopter compensation (dpt)	+/–4
Height x Width x Depth (in)	3.03 x 1.50 x 3.66
Weight (oz)	7.76
Close focus (yds)	10
Twilight factor (ISO 14132-1)	13.2
Measurement range (yds)	10-2,000
Range-finding accuracy (yds)	+/–1 up to 100 +/–2 up to 1,000 +/–0.5% over 1,000
Measurement duration (s)	1
Brightness levels	5
Laser category	1M
m/yds display	✓
Scan measurement	✓
Angle correction	✓
Temperature measurement	✓
Air pressure measurement	✓
Battery life (measurement cycles)	4,000
Displaytype	OLED
Laser category	1M

TABLES
COMPETITION

Riflescopes	K1050	K1050i FT	K525i DLR	K525i	K624i	K318i	K18i	K16i
Magnification	10-50	10-50	5-25	5-25	6-24	3.5-18	1-8	1-6
Objective lens diameter (mm)	56	56	56	56	56	50	24	24
Exit pupil diameter (mm)	5.5-1.1	5.5-1.1	9.5-2.3	9.5-2.3	9.4-2.3	6.9-2.8	8.1-3.0	9.6-4.7
Eye relief (in)	3.74	3.74	3.74	3.74	3.54	3.62	3.74	3.74
Field of view (ft/100 yds)	8.7-1.8	8.7-1.8	23.2-4.9	21.3-4.5	20.4-5.1	27.8-5.5	127.5-15.9	126.9-20.1
Diopter compensation (dpt)	+2/–3.5	+2/–3.5	+2/–3.5	+2/–3.5	+2/–3.5	+2.5/–3.5	+2/–3	+2/–3.5
Twilight factor (DIN 58388)	23.6-52.9	23.6-52.9	16.7-37.4	16.7-37.4	18.3-36.7	13.2-30.0	2.9-13.9	3.1-12.0
Parallax adjustment (m)	8 till ∞	8 till 60	20 till ∞	20 till ∞	50 till ∞	25 till ∞	100	100
Impact correction per click	1/8 MOA	1/8 MOA	.1 MRAD	.1 MRAD 1/4 MOA	.1 MRAD 1/4 MOA	.1 MRAD 1/4 MOA	.1 MRAD	.1 MRAD
Adjustment range E/W (in/100 yds)	57.6/43.2	57.6/43.2	104.4/46.8	104.4/46.8	90/39.6	106/72	86.4/86.4	79.2/79.2
Adjustment range E/W (MILS)	16/12	16/12	29/13	29/13	25.5/11.25	30/20	24/24	22/22
Adjustment range E/W (MOA)	55/41.3	55/41.3	100/45	100/45	86/37.8	102/69	82.5/82.5	75.6/75.6
Tube diameter (mm)	30	30	34	34	34	34	30	30
Objective filter thread	M58 x 0.75	M58 x 0.75	M58 x 0.75	M58 x 0.75	M58 x 0.75	M52 x 0.75	M27 x 0.75	M27 x 0.75
Length (in)	16.9	16.9	14.8	14.8	15.9	12.3	11.81	10.9
Weight (oz)	31.4	36.7*	35.1**	34.2	33.5	33.2	19.6	16.9
Focal plane	2.	2.	1.	1.	1.	1.	2.	2.
Reticle	MOAK	MHR	SKMR SKMR4	MSR2/Ki, SKMR, SKMR4, AMR, TREMOR3***, MOAK	SKMR, SKMR4, MOAK	MSR/Ki, SKMR3, TREMOR3***, MOAK	3GR, IPSC***	3GR, SM1, SI1
Illumination		✓	✓	✓	✓	✓	✓	✓
Adjustment direction	CCW	CCW	CCW	CCW	CCW	CCW	CW	CW
Windage	right	right	left/right	left/right	left/right	left/right		
Zero Stop			✓	✓	✓	✓		
TWIST GUARD			✓	✓		✓		
MAX LIGHT							✓	
Easy Read			✓					

* inclusive parallax wheel (4.9 oz) ** inclusive Parallax Spinner, Throw Lever

*** Special order



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